

norco[®]

PRODUCTS

**HYDRAULIC JACKS, JACK STANDS, SHOCK ABSORBER/STABILIZERS, AND WINCHES,
FOR AUTOMOTIVE AND RV APPLICATIONS**

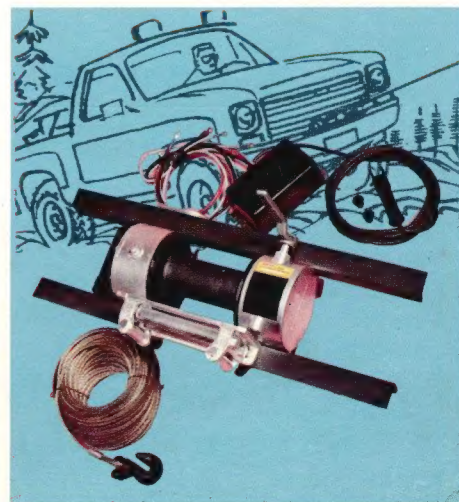
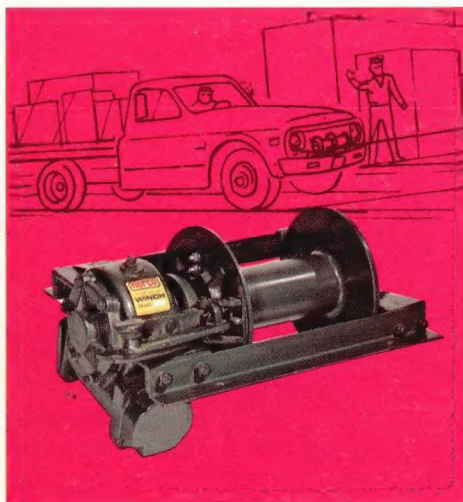
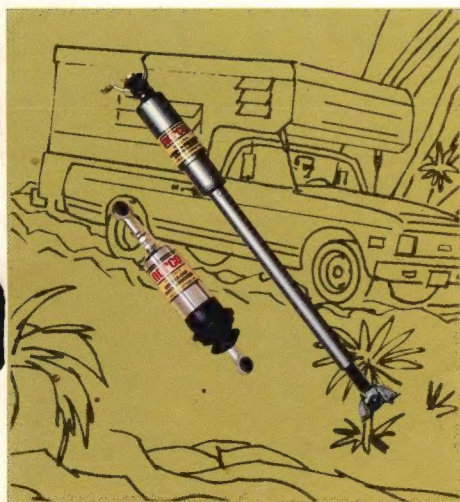
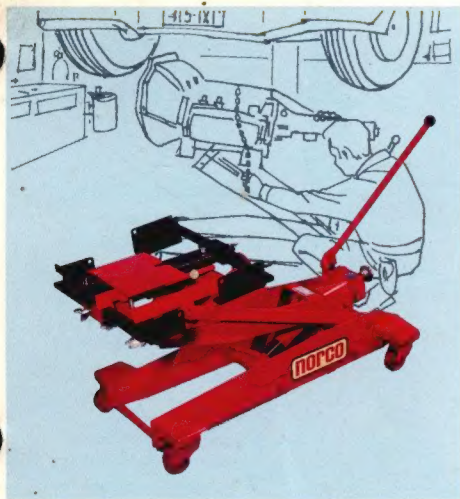
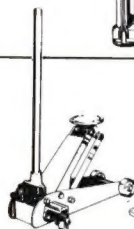


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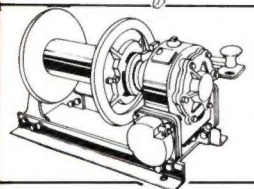
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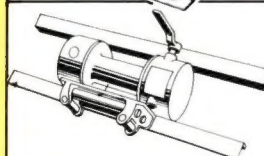
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HYDRAULIC AXLE JACKS

FEATURING FULL 2 TON CAPACITY MODEL

Gives you the competitive edge over 1½ ton models. All Norco hydraulic jacks are built for rugged, dependable and longer trouble free service life. See for yourself. See page 5.

"Unitized" one piece cold headed unit for greatest strength.

Exclusively designed oil by-pass system prohibits over-extending the ram.

"Rust-proofed" electro-static painted and baked finish.

Hot forged steel precision machined base.

All external exposed parts are "Parkerized" a protective Phosphor treatment that prevents rust.

All main steel parts heat treated (including housing) for greater strength.

"Unibuilt" construction... one piece, all-welded for a solid, "leak-proof" sealed system.

Overload "pop" rivets prevent damage to internal mechanism.

No special hydraulic oil required... uses standard lightweight motor oil.

One piece, cold headed release valve. Slabbed to fit handle or wrench if added torque required.



2 TON CAPACITY
Stock No. 6502

WHATEVER YOUR USE, NORCO AXLE JACKS CAN BE USED...



NORCO INDUSTRIES, INC.
15934 S. FIGUEROA ST., GARDENA, CALIFORNIA 90247
PHONE (213) 321-0970



HYDRAULIC AXLE JACKS

Heavy duty jacks for
automotive, industrial,
recreational and
construction applications.

GUARANTEE

Norco Hydraulic Axle Jacks are
guaranteed against all defects in
workmanship and materials for
one full year.

TRUCKER'S SPECIAL 12 TON TELESCOPIC (VERTICAL USE ONLY)

Stock No. 66108



3 TON

Stock No. 6503



5 TON

Stock No. 6505



8 TON

Stock No. 6508



12 TON std. height

Stock No. 6412



12 TON low height

Stock No. 6512



20 TON std. height

Stock No. 6520



20 TON low height

Stock No. 6820



30 TON (vertical only)

Stock No. 6530



50 TON (vertical only)

Stock No. 6550

SPECIFICATIONS

STOCK NO.	CAPACITY (TON) =	RAM LIFT (INCH)	SCREWED EXTENSION (INCH)	EXTENDED HEIGHT (INCH)	MINIMUM HEIGHT (INCH)	BASE (INCH)	WEIGHT (LBS.)	HANDLE LENGTH (INCH)
6502	2	4 $\frac{3}{4}$	2 $\frac{3}{4}$	14 $\frac{3}{16}$	7 $\frac{1}{16}$	3 $\frac{1}{2}$ x 4 $\frac{1}{8}$	6 $\frac{1}{2}$	21 $\frac{11}{16}$
6503	3	4 $\frac{11}{16}$	2 $\frac{3}{4}$	14 $\frac{13}{16}$	7 $\frac{1}{2}$	4 $\frac{1}{16}$ x 4 $\frac{1}{16}$	8 $\frac{1}{2}$	21 $\frac{11}{16}$
6505	5	6 $\frac{5}{16}$	2 $\frac{3}{16}$	17 $\frac{1}{16}$	9 $\frac{1}{16}$	4 $\frac{13}{16}$ x 4 $\frac{7}{8}$	14	25 $\frac{5}{8}$
6508	8	6 $\frac{1}{8}$	3 $\frac{1}{2}$	18 $\frac{11}{16}$	9 $\frac{1}{16}$	5 $\frac{1}{8}$ x 5 $\frac{3}{8}$	18	27 $\frac{7}{8}$
6412	12	5 $\frac{15}{16}$	3 $\frac{1}{2}$	18 $\frac{7}{8}$	9 $\frac{1}{16}$	5 $\frac{1}{2}$ x 5 $\frac{1}{2}$	20 $\frac{1}{2}$	31 $\frac{1}{2}$
6512	12	3 $\frac{3}{4}$	2 $\frac{3}{4}$	13 $\frac{3}{16}$	6 $\frac{11}{16}$	5 $\frac{1}{2}$ x 5 $\frac{1}{2}$	16 $\frac{1}{2}$	31 $\frac{1}{2}$
6520	20	6 $\frac{3}{8}$		17 $\frac{3}{16}$	10 $\frac{11}{16}$	6 $\frac{1}{16}$ x 6 $\frac{3}{16}$	40	31 $\frac{1}{2}$
6820	20	4 $\frac{1}{4}$	3 $\frac{1}{2}$	16	8 $\frac{1}{4}$	6 $\frac{1}{16}$ x 7 $\frac{1}{4}$	31 $\frac{1}{2}$	24
6530	30	6 $\frac{3}{8}$		17 $\frac{11}{16}$	11 $\frac{1}{16}$	8 $\frac{1}{2}$ x 6 $\frac{3}{16}$	52	39 $\frac{3}{8}$
6550	50	6 $\frac{11}{16}$		18 $\frac{11}{16}$	12	9 $\frac{5}{16}$ x 7 $\frac{7}{8}$	85	39 $\frac{3}{8}$
66108	12	7 $\frac{1}{16}$	3 $\frac{1}{4}$	17	6 $\frac{11}{16}$	6 $\frac{1}{8}$ x 7 $\frac{1}{4}$	27	23 $\frac{3}{4}$



AXLE JACKS

GIVE LONG TROUBLE FREE SERVICE

EXCLUSIVE DESIGN AND TOP QUALITY CONSTRUCTION combine to provide the finest performance and longest trouble-free use!

"ON THE SPOT" REPAIR eliminates the common maintenance and service problems of other hydraulic axle jacks.

See for yourself!



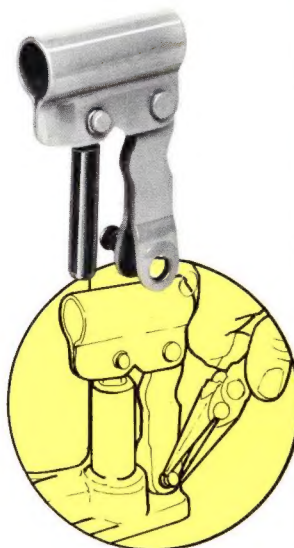
**"UNIBUILT"
ONE PIECE,
ALL WELDED HOUSING**

NEVER NEEDS REPAIR Solid... leakproof... Won't loosen or come apart in use. Overcomes the major causes of leakage and malfunction in all other jack designs.



**"RISE-MATIC" RAM
SELF-CONTAINED
ASSEMBLY**

Entire ram assembly can be removed by taking out retainer ring. Seats worn through long, and continual use can be replaced "on the spot" without the use of special tools.



**"UNITIZED"
LINKAGE AND
PUMP PISTON
ASSEMBLY**

Entire assembly can be removed by taking out bottom pin. Seal can be replaced easily.



**ONE PIECE
RELEASE
VALVE**

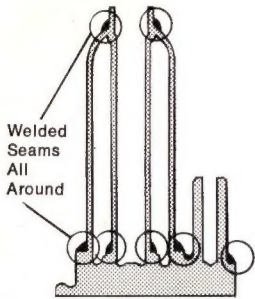
Easy to remove and replace o-ring and back up seals.

PARTS KITS ARE AVAILABLE FROM THE FACTORY FOR NORMAL REPAIR...

FOR PROFESSIONAL REPAIR SERVICE: Send jack to our nearest Norco Repair Depot.

COMPARE **norco** EXCLUSIVE FEATURES WITH OTHERS

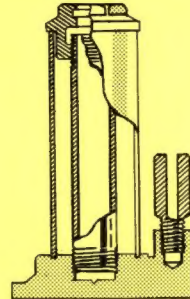
SEE FOR YOURSELF. Disassemble Norco and other jacks and you'll see the difference. Better design, better construction, better finish. Put these qualities together and you've got easier operation, better performance and longer, trouble-free service life. This means greater customer satisfaction and value.



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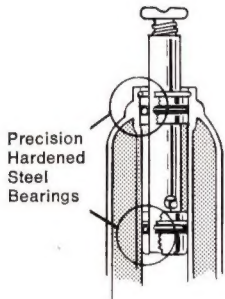
"UNIBUILT" BODY CONSTRUCTION

Cylinder and housing welded to base. Cylinder and housing welded together at top. Provides solid, leakproof sealed system.



OTHERS

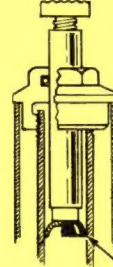
Cylinder joined to base and top nut by threads. Potential leakage assured as continued use and oil pressure at threads loosens sealing relationships.



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"RISE-MATIC" RAM

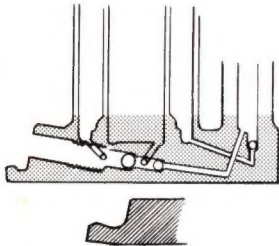
Triple seals and bearings incorporated into ram design. Insures uniform relationship between ram and cylinder wall. Ram raises and lowers straight, can't "wobble."



OTHERS

Ram seal at bottom only. Top seal in cylinder nut. Depends on bottom seal for ram and cylinder wall relationship, no bearings. Ram "wiggles" in use, creating greater resistance, uneven wear on seals to produce leakage.

Cup washer type seal — Neoprene or similar material

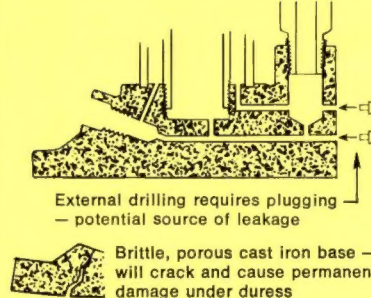


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FORGED STEEL BASE

Forged steel base provides greater density, strength and uniformity in a lighter weight section. Superior material and design enable internal machining of oil passages and seats for leakproof valve design in base. Stressproofed!!

Forged, malleable base — has strength and resiliency to withstand abuse without damage

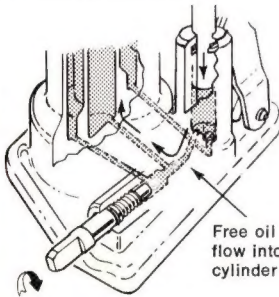


OTHERS

Porous casting base requires heavier weight sections to provide strength. Oil passages and seats drilled externally and plugged to seal, providing added leakage potential. Heavier in weight, but not as strong as Forged Steel Bases.

External drilling requires plugging — potential source of leakage

Brittle, porous cast iron base — will crack and cause permanent damage under duress

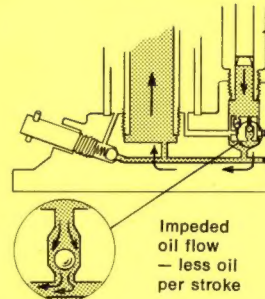


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50% FASTER RISING ACTION

Internally machined base enables oil to move from pump to cylinder unimpeded. Balls move out of the line of flow, so more oil is sent (per stroke) from pump to cylinder.

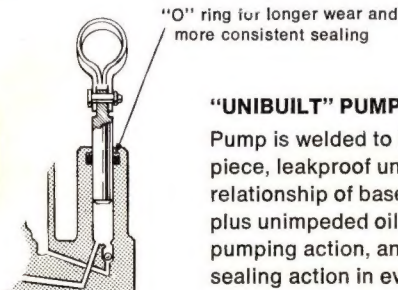
Free oil flow into cylinder



OTHERS

Slower rising action because external machining limits valve design, oil flow is impeded from pump to cylinder. Balls (and in some designs, springs also) remain in the line of flow, so less oil is sent from pump to cylinder per stroke.

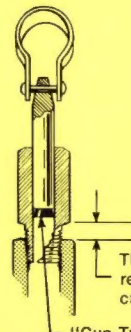
Impeded oil flow — less oil per stroke



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"UNIBUILT" PUMP CONSTRUCTION

Pump is welded to base to provide a one-piece, leakproof unit. Uniform dimensional relationship of base, pump and pump piston, plus unimpeded oil flow provide easiest pumping action, and insures uniform stroke sealing action in every jack.



OTHERS

Pump is threaded into base, will leak with wear. Since less oil can be moved (because of impeded flow) pump is often backed off base, to reduce piston travel. Exposed threads increase leakage potential. Piston cup design "pushes" oil resulting in greater resistance, faster wear, and harder pumping action.

Threaded connection varies this dimension. Stroke relationship differs from pump to pump. Threads create potential leakage problems.

"Cup-Type" seal causes greater wear problems



Compact, Lightweight, Portable, Maneuverable

1 1/4 TON CAPACITY FLOOR SERVICE JACK

The world's smallest floor service jack!

No other jack on the market can provide the easy portability plus the tested strength and proven maneuverability of hydraulic garage jacks. Ideal for emergency garage use, hot rod and sports car enthusiasts, trailers and campers, farm and ranch use.

Jack lowers by
turning handle.



Comfortable
rubberized
grip handle
— easy, safe
fingertip control
for jack lowering

3-position
adjustment
for varying
handle length

**1 1/4 TON
CAPACITY**

Capable of lifting
75 times its own weight

Handle easy
to detach.
Positive-locking,
pushbutton handle
release

"Cushion action"
needle valve
release-positive
socket engagement
to handle — no gears

Wide-track,
smooth rolling
wheels

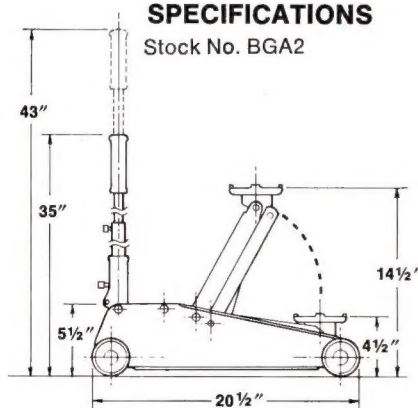
Fast-rising
lifting arm
— lifts load
fast with
little effort

One-piece
high-strength
sure-grip
steel saddle

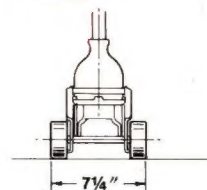
Advanced hydraulic design
— automatic by-pass to prevent
overloading

Extra-strength
steel side plates
and lifting arm

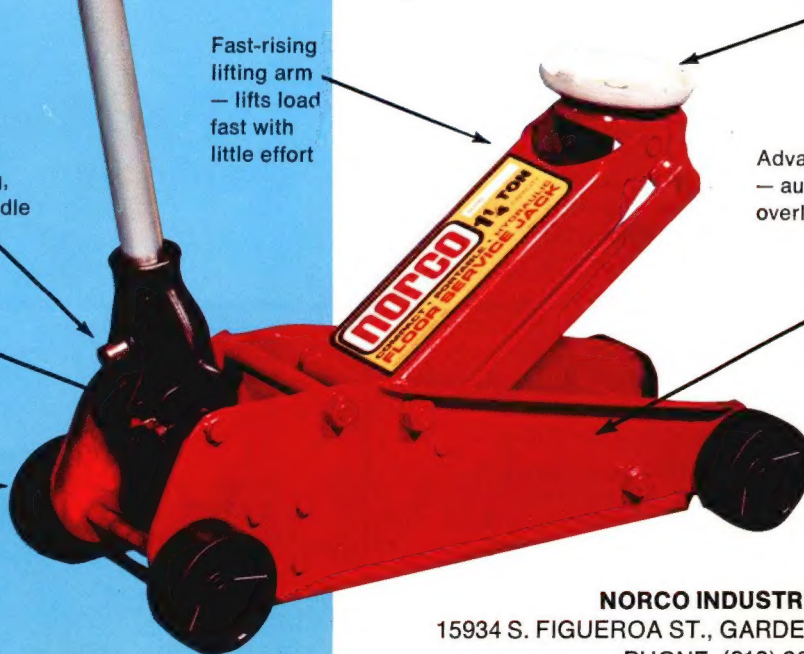
SPECIFICATIONS Stock No. BGA2



WEIGHT
ONLY
**34
LBS.**



Strong enough to lift any passenger car!
Can be easily stored in trunk... including compacts!



NORCO INDUSTRIES, INC.

15934 S. FIGUEROA ST., GARDENA, CALIFORNIA 90247

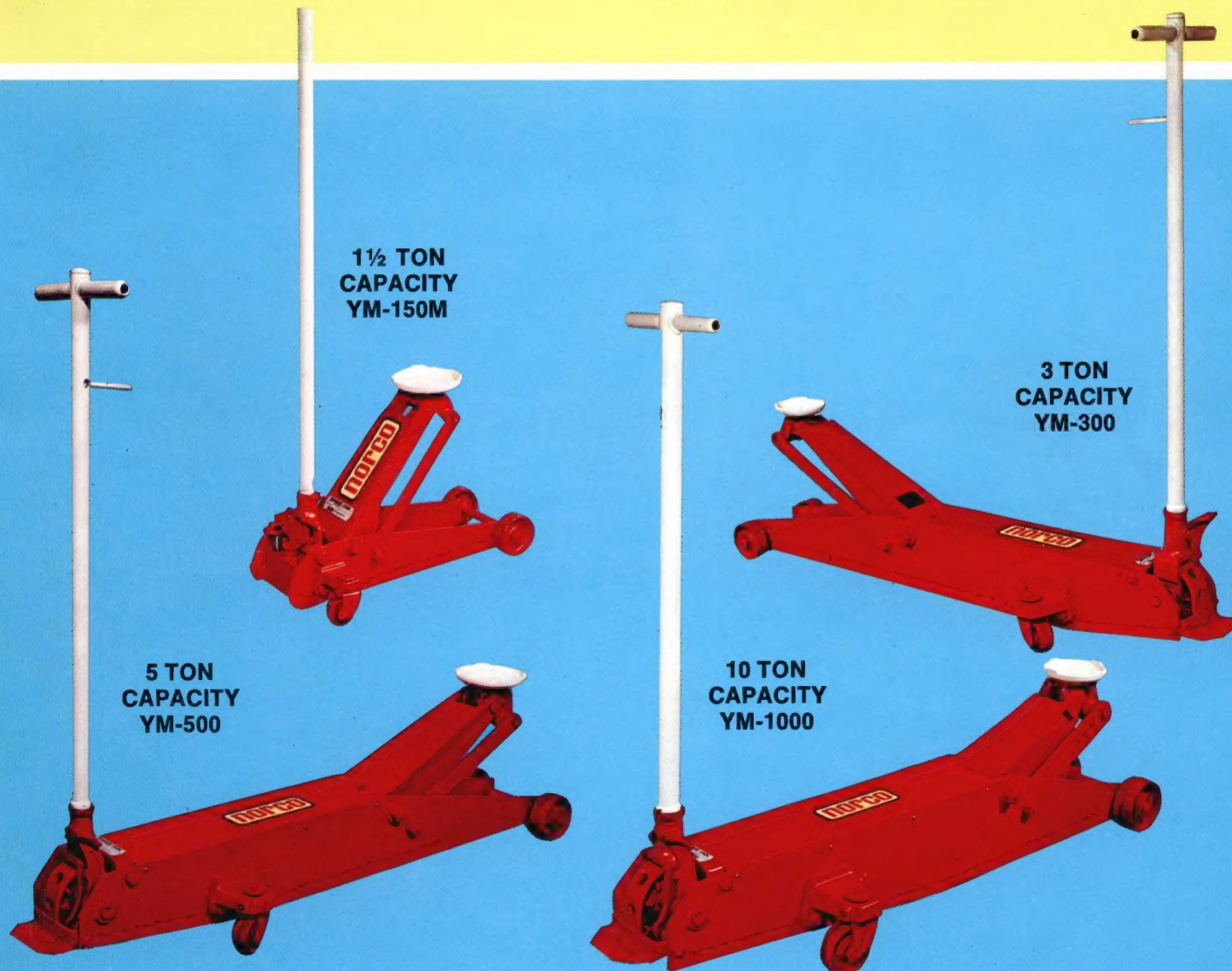
PHONE (213) 321-0970,



HYDRAULIC FLOOR SERVICE JACKS

YOUR MOST ECONOMICAL CHOICE FOR THE "HEAVY-WEIGHTS" Norco Hydraulic Garage Jacks are compact and superbly engineered to give a long and trouble-free life. Safe and simple to use and easily maneuvered to speed the job. Among the many advanced features are large front wheels to cope with uneven floor surfaces; ball bearing swivel rear casters; side plates constructed of heavy gauge steel; large size rotating saddle which is painted white for easy location; overload safety valve to guard against misuse; handle-with-safety devices for locating and lowering; and the handle is one piece.

FACTORY RATED AND ADJUSTED Compact, light and maneuverable within a limited area. High quality bearings at the caster that provide maneuverability and safety • A wide frame for better distribution of load forces and for additional strength • Has a larger diameter and sufficient depth of saddle for easy handling, maneuverability and stability • Filler cap plug to keep dust, moisture and dirt out during operation • Dust seals at plunger and piston rod for extra protection against dust, foreign materials and moisture • Heat treated steel, fine polished and chrome plated piston rod and plunger for extreme durability • Self centering saddle contoured to center load stress.



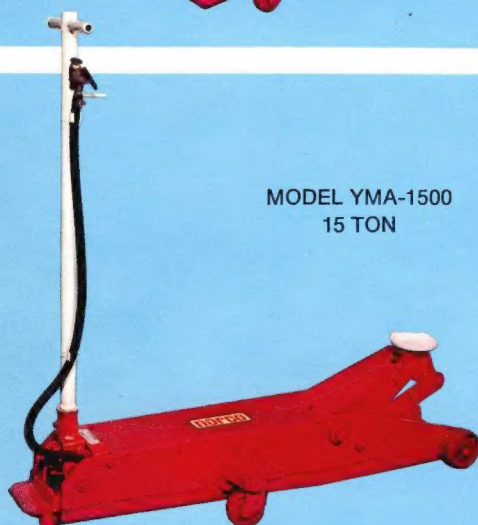
MODEL	CAPACITY TONS	MIN. SADDLE HEIGHT INCHES	MAX. SADDLE HEIGHT INCHES	OVERALL HEIGHT INCHES	OVERALL LENGTH INCHES	OVERALL WIDTH INCHES	MAX. FRAME HEIGHT INCHES	FRAME LENGTH INCHES	NET WEIGHT LBS.
YM-150M	1.5	5	19	49½	26	10	6	25	84
YM-300	3	5	24	48½	56	13½	7½	53	165
YM-500	5	5½	22	48	56	15	8	52	220
YM-1000	10	6	22	51	61½	17½	10	56½	331



AIR-HYDRAULIC FLOOR SERVICE JACKS



MODEL YMA-150
1 1/2 TON



MODEL YMA-1500
15 TON

FEATURES

High speed • High power • Can be driven by any standard air compressor.

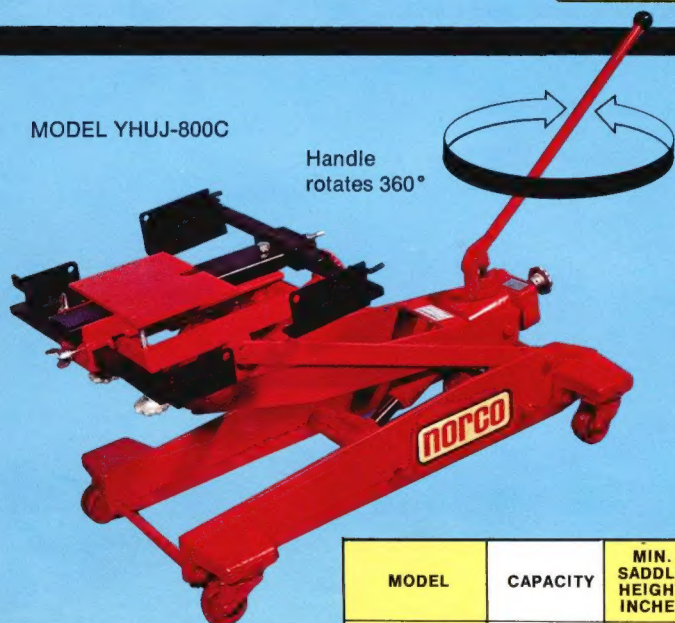
The Norco air hydraulic garage jack outworks any conventional jack and being reasonably priced it outsells any other air hydraulic jack.

YMA-150 — 1 1/2 Ton Capacity. The addition of air contributes to savings in labor and time. To extend its versatility, the YMA-150 can also be operated manually when no air is available.

YMA-1500 — 15 Ton Capacity for the heavier loads — where air-hydraulic operation is a real time-saver and labor-saver.

SPECIFICATIONS MODEL YMA-150	
Capacity	1.5 tons at 70-200 psi
Min. saddle height	5 inches
Max. saddle height	19 inches
Lifting height	14 inches
Overall length	31 inches
Overall height	50 inches
Overall width at front wheel	10 inches
Frame height	6 inches
Lifting time	15 sec. (at no load)
(at air pressure 7 kg em-)	35 sec. (at full load)
Operative air pressure	11-22 lbs./cm ² (72-142 psi)
Air consumption	140 (at 15 lbs./cm ²)
Air compressor required	2.2 kw (3 psi) & up
Net Weight	95 lbs.
Applications	medium size trucks & autos

SPECIFICATIONS MODEL YMA-1500	
Capacity	15 tons at 85-200 psi
Min. saddle height	7 1/2 inches
Max. saddle height	24 inches
Frame length	60 inches
Overall length	64 inches
Frame height	11 inches
Overall height	58 inches
Air cylinder diameter	5 inches
Plunger diameter	1/2 inch
Plunger stroke	1 1/2 inches
Air consumption	0.4 m ³ /min.
Compressor required	2.5 kw (min. 5 psi)
Weight	473 lbs.
Attachment	Hose adaptor 1/4
Applications	Trucks, off rd equipt.



MODEL YHUIJ-800C

Handle
rotates 360°

HYDRAULIC TRANSMISSION JACK

An exclusive jack designed for convenient removal and installation work of transmissions, differential gears and engines. Lifts by a manual hydraulic pump which can be handled with utmost ease.

FEATURES:

- Adjustable saddle-tilt and width can be changed according to size and shape of item being jacked.
- Four big casters allow swift travelling.
- Extended pump handle can be easily handled from all directions.
- Safety chains included.

SPECIFICATIONS:

MODEL	CAPACITY	MIN. SADDLE HEIGHT INCHES	MAX. SADDLE HEIGHT INCHES	OVERALL LENGTH INCHES	OVERALL HEIGHT INCHES	OVERALL WIDTH INCHES	FRAME LENGTH INCHES	SADDLE TILT (DEGREES)			NET WEIGHT LBS.
								FOR- WARD	BACK- WARD	RIGHT & LEFT	
YHUIJ-800C	1750 lbs.	8	32	52 1/2	12 1/2	17	33	15	10	10	154



JACK STANDS

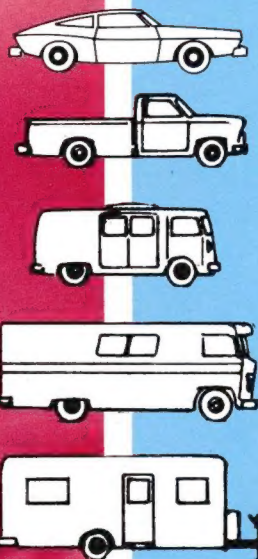
AUTOMOTIVE JACK STANDS THAT WON'T RUST!

EXTRA-WIDE RECTANGULAR SADDLE



No. AU-12

No. AU-9



LIGHTWEIGHT • RUGGED • DURABLE

"KWIK-ADJUST" DESIGN with locking (wing type) speed nut for the fastest adjustment to the exact height required. Eliminates jacking adjustments, as with pin or ratchet type stands.

AIRCRAFT QUALITY ALUMINUM. Ideal for outdoor use because they won't rust.

4000 LB. CAPACITY (Each).

FOUR LEG DESIGN for maximum stability and safety.

EXTRA WIDE "GRIP" SADDLE for maximum load control, also ideal for Van, Camper, Trailer, etc.

IMPORTANT: At least two stands should always be used for stable vehicle support after jacking!

STOCK NO.	MINIMUM HEIGHT	EXTENDED HEIGHT	CAPACITY	WEIGHT (LBS.)
AU-9	12½"	18½"	8000 lbs. (pr)	7 (pr)
AU-12	15"	21"	8000 lbs. (pr)	8 (pr)

OVAL HEAD "FLAT-GRIP" SADDLE JACK STAND

Includes all the features of our automotive Jack Stands plus special oval "Flat Grip" saddle.

For use with Campers, Trailers, Mobile Homes and all other load support where underbed can be dented or punctured by the projecting edges of regular Jack Stand saddles.

The most efficient way to level and stabilize a Trailer, Mobile Home, etc.

Ideal for outdoor use because they won't rust and lose strength.



No. RV-9

STOCK NO.	MINIMUM HEIGHT	EXTENDED HEIGHT	CAPACITY	WEIGHT (LBS.)
RV-9	12½"	18½"	8000 lbs. (pr)	7 (pr)

NORCO INDUSTRIES, INC.
15934 S. Figueroa St., Gardena, Calif. 90247
Phone (213) 321-0970



HYDRAULIC CAMPER JACKS

FINGER-TIP CONTROL FOR POSITIVE RAISING AND LOWERING



FAST AND EASY HYDRAULIC POWER FOR...

1. Stabilizing and leveling your camper in the field.
2. Removing and installing your camper.

2000 LB. CAPACITY PER UNIT.

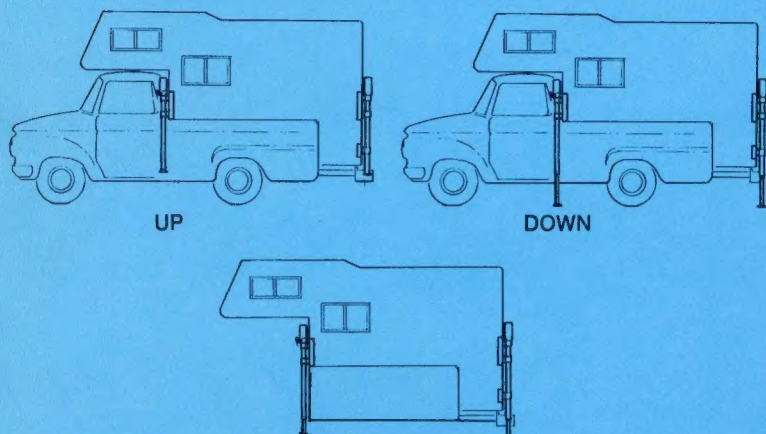
"UNIBUILT" All welded construction.

ZINC PLATED to prevent rust.

POSITIVE MECHANICAL SAFETY LOCK PINS.

EASY TO INSTALL • COMPACT
DEPENDABLE • DURABLE

RETRACTABLE



FULL 33 INCH RAM EXTENSION Allows
camper to be lowered to ground level for storing.

STOCK NO.	RAM EXTENSION	CAPACITY	WEIGHT
RV-2 (Set of 4 units)	33" max. stroke	8000 lbs. (Set of 4 units)	130 lbs. (Set of 4 units)

STOCK NO.
RV-2

Set screws in straps
for more positive grip
— prevents slippage.

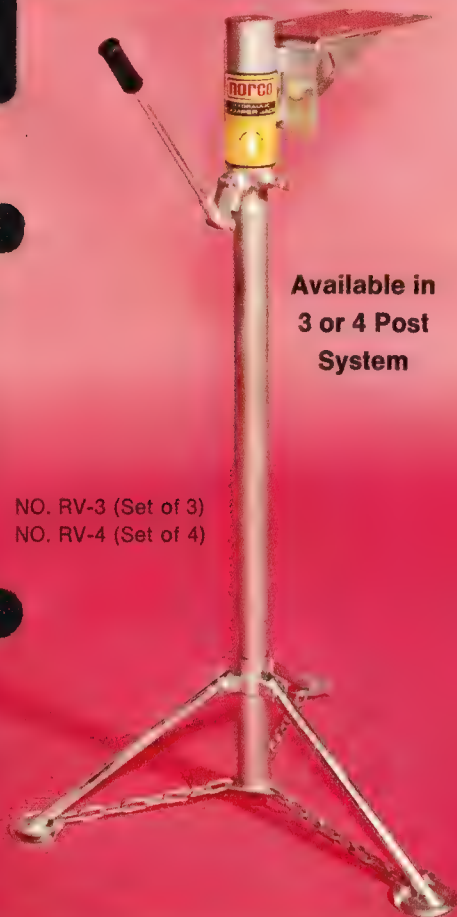


47 3/4" Closed overall height.

Two extra mounting brackets and
straps furnished with each set
for mounting on campers with rear
overhang.



"Swing-Away" TRIPOD TYPE HYDRAULIC CAMPER JACKS



Available in
3 or 4 Post
System

NO. RV-3 (Set of 3)
NO. RV-4 (Set of 4)



"SWING-AWAY" DESIGN. Pivots out of the way for quick and convenient storage.

NEAT APPEARANCE when placed in storage position.

FULL RAM EXTENSION with tripod.

HYDRAULIC POWER for faster-easier lifting • loading • unloading • leveling • stabilizing.

FINGER-TIP CONTROL for effortless raising and lowering. Far easier than other mechanical types.

EASY TO INSTALL • COMPACT • LIGHTWEIGHT • DURABLE
Available in 3 or 4 Post System.

1500 LB. CAPACITY each unit.

BUILT-IN HYDRAULIC SAFETY LOCK.

REMOVABLE AND COLLAPSIBLE TRIPOD for easy storage.

"UNIBUILT" all welded construction... plated to prevent rust.
OVERALL CLOSED HEIGHT 43".

Lowers camper floor to approx. 24" from ground.

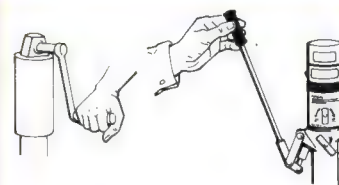
STOCK NOS.	BRACKET TO GROUND PADS		CAPACITY (LBS.)	WEIGHT (LBS.)
	MINIMUM	MAX. EXTENDED		
RV-3 Set of 3 units	41½"	56"	4500 Set of 3 units	115 Set of 3 units
RV-4 Set of 4 units	41½"	56"	6000 Set of 4 units	140 Set of 4 units

HYDRAULIC CONVERSION SET "Swing-Away" TRIPOD TYPE CAMPER JACKS

CONVERTS PRESENTLY INSTALLED SCREW TYPE JACKS TO HYDRAULIC using present tripods and mounting brackets... the economy way to change to hydraulic power. Replaces mechanical 3 or 4 post systems.

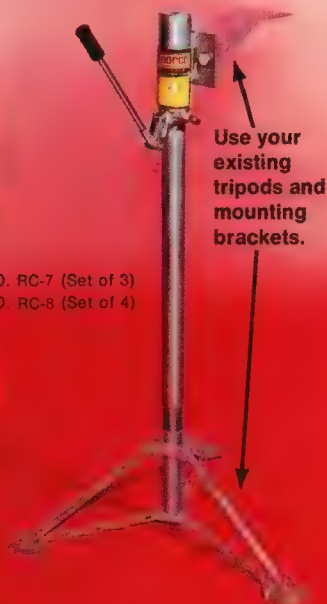
Lifts to 56" (Brackets-To-Ground Pads).

Lowers to 41½" (Camper floor approx. 24" from ground).



Convert your time consuming strenuous cranking system to effortless faster finger-tip control. A benefit that only hydraulic operation can offer.

STOCK NOS.	BRACKET TO GROUND PADS		CAPACITY (LBS.)	WEIGHT (LBS.)
	MINIMUM	MAX. EXTENDED		
RC-7 (Set of 3)	41½"	56"	4500/Set	80 lbs./Set
RC-8 (Set of 4)	41½"	56"	6000/Set	100 lbs./Set



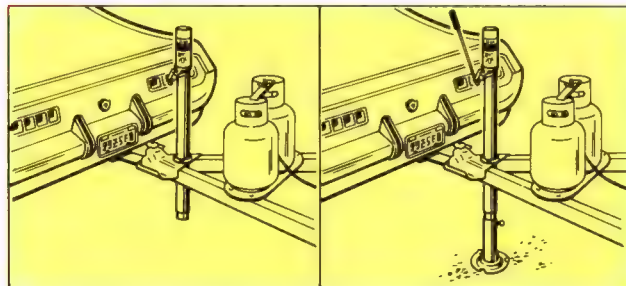
NO. RC-7 (Set of 3)
NO. RC-8 (Set of 4)



HYDRAULIC TONGUE JACK



STOCK NO.
RV-1



UP . . . to travel

DOWN . . . to camp

RETRACTABLE... NO STORAGE PROBLEMS

HYDRAULIC makes lifting easy and speedy... more power... more leverage.

"UNIBUILT" all welded construction.

FINGER-TIP CONTROL gives you positive raising and lowering... with less effort.

1500 LB. CAPACITY.

BUILT IN POSITIVE MECHANICAL SAFETY LOCK.

EXTERNAL PARTS ZINC PLATED plus chrome-plated pump piston and ram to PREVENT RUST.

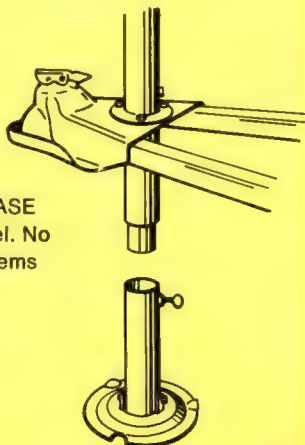
EASY TO INSTALL and maintain.

UNIVERSAL APPLICATION. Fits all 1972 and later standard coupling devices... and most earlier models.

CLOSED OVERALL HEIGHT 41 $\frac{3}{4}$ " FULL 28 $\frac{1}{2}$ " LIFT.

STOCK NO.	HEIGHT RETRACTED	EXTENSION LENGTH (LIFT)	CAPACITY	WEIGHT
RV-1	35"	28 $\frac{1}{2}$ " (incl. base pad)	1500 lbs.	35 lbs.

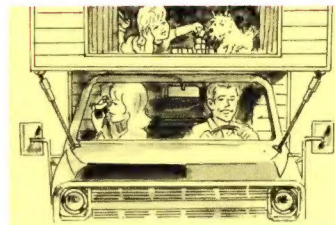
REMOVABLE BASE removes to travel. No clearance problems when driving.



NORCO INDUSTRIES, INC.
15934 S. Figueroa St., Gardena, Calif. 90247
Phone (213) 321-0970



CAMPER SHOCK ABSORBER/STABILIZERS



BODY MOUNT DESIGN ELIMINATES BOUNCE AND SWAY

IMPROVES STEERING AND HANDLING. The hydraulic shock absorber/stabilizer that provides control and safety and puts the fun back into camper driving.

- Non-glare anodized finish.
- Adjustable length.
- Designed for quick top and bottom release for camper removal.
- COMPACT • STRONG • DURABLE • EASY TO INSTALL.

STOCK NO.	MINIMUM LENGTH	MAXIMUM LENGTH	WEIGHT
RV-5 Set of 2 units	22"	32"	8 lbs./Set



Convenient out of the way mounting over cab



Non-overhead mounting

CAB MOUNT DESIGN DOES NOT OBSTRUCT VISION.

Makes camper "cling" to its truck. Eliminates cab to body movement. Reduces bounce and sway... smooths the ride.

BETTER HANDLING and cornering.

IMPROVES STABILITY and handling in high winds.

EASY TO INSTALL AND REMOVE for camper storage.

STOCK NO.	OVERALL LENGTH	WEIGHT
RV-6 Set of 2 units	9"	5 lbs. Set of 2 units



POWER TAKE-OFF WINCHES

RUGGED ALL PURPOSE WINCH POWER
AUTOMOTIVE • FARM • INDUSTRIAL
MARINE • RV USE

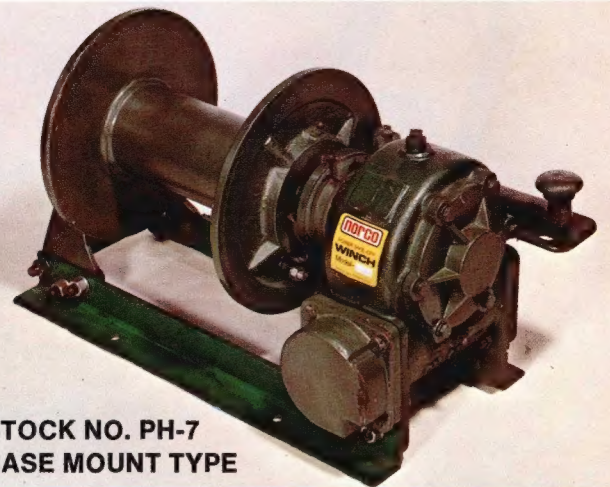
Pulling Power Up to 4 Tons!

- Quality design and construction • Free spooling
- Automatically reversible
- **SOLID BRONZE WORM GEAR.** Keyed to shaft. Eliminates bolts that can wear or shear.
- **HEAT TREATED** ground and polished. Drum shaft, worm and worm shaft all made of special alloy steels.
- **TAPERED** thrust roller bearings.
- **SEALED CASE.** Gears and worm fully enclosed. Prevents sticking, rusting, freezing. Dirt can't get in.
- **CABLE DRUM** one piece cast steel.
- **DRAFT TOOTH CLUTCH** heat treated alloy steel.
- **SAFETY BRAKE** fully automatic. Enclosed for all weather protection plus friction brake on drum.
- **3 TO 1 SAFETY FACTOR.** Gear ratio — 29:1

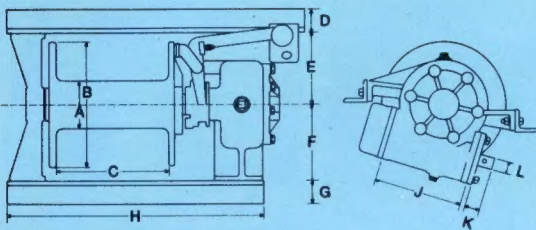
STOCK NO.	WEIGHT (LBS.)	CAPACITY	DRUM CAPACITIES (BOTH MODELS)	
			WIRE ROPE SIZE	LENGTH
PH-6	165	8000 lbs.	$\frac{3}{8}$ "	325'
PH-7	155		$\frac{5}{16}$ "	470'
			$\frac{1}{4}$ "	735'



STOCK NO. PH-6
FRONT MOUNT TYPE

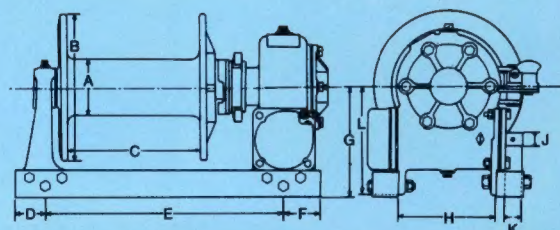


STOCK NO. PH-7
BASE MOUNT TYPE



STOCK NO. PH-6

A	4 1/4"
B	10 3/4"
C	9 7/8"
D	2"
E	6 1/4"
F	6 1/8"
G	2"
H	22 3/16"
J	7 7/16"
K	1 1/4"
L	1"



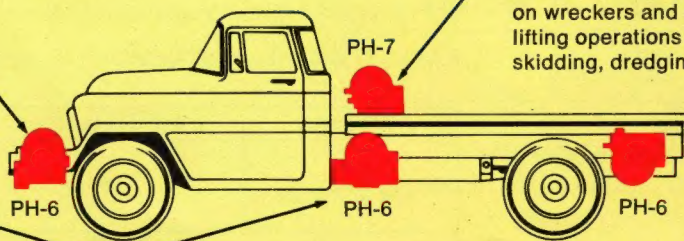
STOCK NO. PH-7

A	4 1/4"
B	10 3/4"
C	9 7/8"
D	1 3/4"
E	17 3/4"
F	2 1/4"
G	8 1/8"
H	7 1/16"
J	1"
K	1 1/4"
L	7 13/16"

TRUCK MOUNTING SUGGESTIONS

1. **FRONT OF CHASSIS** For pulling through impassable terrain. Also ideal for front-mounted pole derricks.

2. **BACK OF CAB** Winch fits under platform, leaves more room for cargo. Small roller guides rope onto platform.



3. This winch is especially designed for back of cab installation. Its construction assures the ability to withstand constant and difficult usage. It is particularly useful on wreckers and delivery vehicles where pulling and lifting operations are so necessary. Also suitable for skidding, dredging and ginning operations.

4. **REAR OF CHASSIS** For direct pull from rear. Front pull can be accomplished by installation of roller system under truck.



ELECTRIC WINCHES

**8000 LBS. OF PULLING
POWER IN A
SELF CONTAINED
12 VOLT UNIT**

**Free spooling for easy use!
Self-locking • No brakes required
No heat build-up • No slippage
Reversible automatically**



SPECIFICATIONS

Safe Working Capacity 8,000 pounds
Stall Point 11,500 pounds
Drum Shaft Diameter 1¼ inches
Drum Barrel Diameter 3½ inches
Worm Gear Ratio 60:1

APPLICATIONS

STOCK NO.	VEHICLE APPLICATION		WEIGHT
WH-1	UNIVERSAL		160
WH-2	CHEVY CONCEALED		148
WH-3	FORD CONCEALED		176
WH-4	FRONT MOUNT FORD & DODGE	DODGE	152
		FORD	176
WH-5	JEEP CJ5		149

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FEATURES

- Fits both 2-wheel and 4-wheel-drive vehicles.
- Front or rear mount and concealed applications depending on model vehicle.
- Powered by specially designed motor for 12-volt battery operation.
- Self-locking worm and gear hold load securely until power is applied.
- New reversing solenoid with double the contact area.
- Develops 8,000 pounds of pull on a single line.
- Positive fingertip control — forward, off, reverse.
- Winch-mounted clutch control — for free spooling.
- Remote control and quick disconnect — permits operation of winch from inside or outside of cab.



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